

Release notes for ENDF/B Development dec-035_Br_089
evaluation

ENDF
B-VII.dev

October 13, 2016

- **fizcon** Errors:

1. Uncertainty on discrete radiation intensity (RI) bigger than RI itself, or worse, it is negative!!!

MAT= 853, MF= 8, MT=457 (1): Bad unc (a)

```
ERROR(S) FOUND IN MAT= 853, MF= 8, MT=457
DRI NOT IN RANGE 0.00000E+00 TO 9.00000E-03
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2. All probability distributions should be normalized to 1, this one isn't.

MAT= 853, MF= 8, MT=457 (2): Bad norm (b)

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ERROR(S) FOUND IN MAT= 853, MF= 8, MT=457
NORMALIZATION CHECK INTEGRAL= 1.00185E+00 BEFORE
```

3. Energies released in decay not adding up!

MAT= 853, MF= 8, MT=457 (3): Bad energy sum

```
ERROR(S) FOUND IN MAT= 853, MF= 8, MT=457
TOTAL ENERGY RELEASE SUMUP FAILURE
WHOLE= 7.58314E+06 SUM= 6.48124E+06
```

4. Energies released in decay not adding up!

MAT= 853, MF= 8, MT=457 (4): Bad energy sum

```
ERROR(S) FOUND IN MAT= 853, MF= 8, MT=457
NEUTRON AVERAGE ENERGY SUMUP FAILURE
WHOLE= 7.08984E+04 SUM= 7.24097E+04
```